

QUEEN ANNE'S COUNTY

TALBOT COUNTY

CAROLINE COUNTY

REFERENCE TIDE GAUGE - CAMBRIDGE

The Cambridge tide gauge is located along the Choptank River in Dorchester County.

High tide at the Kent Island Narrows (Queen Anne's County) occurs about 1 to 1 ¼ hours later than the high tide at Cambridge. Low tide is around ½ to 1 ½ hours later.

High tide at Saint Michaels on the Miles River (Talbot County) occurs about 15 to 30 minutes later than the high tide at Cambridge. Low tide is up to 45 minutes later.

High tide on the Choptank River at Denton (Caroline County) occurs about 3 hours later than the high tide at Cambridge. Low tide is around 3¼ hours later.

Historically, in Queen Anne's County, Talbot County and Caroline County moderate to major tidal flooding has only occurred with a southerly flow. Northeasters tend to produce minor tidal flooding at most in the three counties.

Queen Anne's County

In the lower part of the minor range:

Flooding occurs along MD Route 18 around the Kent Island Narrows from Chester to Grasonville.

Flooding occurs along MD Route 552 near Dominion (the public landing).

In the upper part of the minor range:

Flooding occurs along MD Route 18 near Queenstown.

In the moderate range:

Southeast Creek floods around Church Hill (MD Route 213 and Main Street).

Flooding occurs along the Corsica River around Centreville (the Three Bridges Branch and the Mill Stream Branch).

Flooding occurs in the Cloverfields section of Kent Island.

Talbot County

In the upper part of the minor range:

Flooding begins in Unionville, Saint Michaels, Neavitt, Oxford and Trappe.

Flooding occurs along Goldsborough Neck Road (located to the northwest of the Easton Airport).

Flooding occurs around the Easton Point marina.

Flooding occurs along Connolly Point Road (located to the west of Trappe).

In the moderate range:

Flooding occurs along MD Route 333 into Oxford.

Caroline County

In the upper part of the minor range:

Flooding occurs along the Choptank River in West Denton and Denton.

In the moderate range:

Flooding occurs along the Choptank River at Choptank, Frazier Point and the Choptank Wetlands Preserve.

Flooding occurs along the Marshyhope Creek at Federalsburg.

Data Acquisition

In order to access data from the Cambridge gauge, use the National Ocean Service web site at <http://tidesonline.nos.noaa.gov/>.

REFERENCE TIDE GAUGE - CAMBRIDGE

The tide heights from actual events referenced in the following table are those that were verified by the National Ocean Service. They may vary slightly from figures found in other National Weather Service publications.

THE PERIOD OF RECORD FOR THE CAMBRIDGE GAUGE BEGINS IN JANUARY 1971. PLEASE NOTE THAT THERE ARE GAPS WITHIN THE PERIOD OF RECORD DUE TO EQUIPMENT OUTAGES AND/OR DATA AVAILABILITY.

ALL HEIGHTS ARE IN MEAN LOWER LOW WATER (MLLW).

6.2 FT — September 19, 2003 (Hurricane Isabel).

5.5 FT — MAJOR TIDAL FLOODING BEGINS.

4.9 FT — September 7, 1996 (Hurricane Fran).

4.7 FT — April 17, 2011 / December 21, 2012.

4.5 FT — MODERATE TIDAL FLOODING BEGINS.

September 6, 1979 (Hurricane David) / September 30, 2010 /
October 29, 2012 (Post Tropical Cyclone Sandy).

3.5 FT — MINOR TIDAL FLOODING BEGINS.

-1.8 FT — BLOWOUT TIDE.

-2.9 FT — January 17, 1982.